

RESUMEN DE FORMULAS

$\bar{x} = \frac{\sum_{i=1}^N (x_i \cdot n_i)}{N}$ $H = \frac{1}{\sum_{i=1}^N \frac{1}{x_i} \cdot n_i}$	$G = \sqrt[n]{x_1^{n_1} \cdot x_2^{n_2} \cdot \dots \cdot x_p^{n_p}}$ $C = \sqrt{\frac{\sum_{i=1}^N (x_i^2 \cdot n_i)}{N}}$	$S_{xy} = \frac{\sum x_i y_i}{n} - \bar{x} \bar{y}$
$Me = L_{i-1} + \frac{N/2 - N_{i-1}}{N_i - N_{i-1}} \cdot a_i$	$n_{ij} = \frac{n_i \cdot n_j}{N}$	$Y^* = a + bX$ $b = \frac{S_{xy}}{S_x^2}$
$Mo = L_{i-1} + \frac{n_{hi}}{n_{hi} + n_{i-1}} \cdot a_i$	$r = S_{xy} / (S_x \cdot S_y)$ $R^2 = \text{Varianza } y^* / \text{Varianza } y$	
$S_x^2 = \sigma_x^2 = \sum_{i=1}^n \frac{x_i^2 \cdot n_i}{N} - \bar{x}^2$	$Y^* = Y(T) = a + bt$ $Y' = Y / IVE_{msc}$ $IVE = Y / Y(T)$ $IVE_{mv} = Y / Y_{mv}$ $Y_{\text{previsto}} = Y(T)_{\text{previsto}} \cdot IVE_{msc}$	
$C.V. = \frac{\sigma_x}{\bar{x}} \cdot 100\%$		
$g_1 = \frac{m_3}{s^3}$ $A_p \approx \frac{\bar{x} - Mo}{s}$	$C_G = \frac{\sum_{i=1}^{n-1} (P_i - Q_i)}{\sum_{i=1}^{n-1} P_i}$ $P_i = \frac{\sum_{j=1}^n n_j}{N}$ $Q_i = \frac{\sum_{j=1}^n (x_j \cdot n_j)}{\sum_{j=1}^n (x_j \cdot n_j)}$	
$g_2 = \frac{m_4}{s^4} - 3$	$T = \log N + \sum_{i=1}^n (n_i \cdot w_i \cdot \log w_i)$ $w_i = \frac{x_i}{\sum_{i=1}^n (x_i \cdot n_i)}$	
$l_{t/0} = \frac{x_t}{x_0} \cdot 100$ $l_{t/0}(p) = \frac{p_t}{p_0}$ $l_{t/0}(q) = \frac{q_t}{q_0}$	$TV_{\text{intermensual}} = \frac{l_{t/0} - l_{t-10}}{l_{t-10}} \cdot 100$ $TV_{\text{en lo que va de año}} = \frac{l_{t/0} - l_{Dic. ant. 10}}{l_{Dic. ant. 10}} \cdot 100$ $L_{c.o} = \frac{\sum_{i=1}^k P_{it} \cdot q_{i0}}{\sum_{i=1}^k P_{i0} \cdot q_{i0}} \cdot 100$ $P_{c.o} = \frac{\sum_{i=1}^k P_{it} \cdot q_{it}}{\sum_{i=1}^k P_{i0} \cdot q_{it}} \cdot 100$ Precios nuevos x Cantidades viejas Precios viejos x Cantidades viejas	$TV_{\text{interanual}} = \frac{l_{t/0} - l_{t-12/0}}{l_{t-12/0}} \cdot 100$ $F_{t/0}(q) = \sqrt{L_{t/0}(q) \cdot P_{t/0}(q)}$ $F_{t/0}(p) = \sqrt{L_{t/0}(p) \cdot P_{t/0}(p)}$